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**(54)MANUFACTURE OF FINELY POROUS FILM
AND MULTILAYER FILM**

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a finely porous film of a uniform single layer or multilayer even under the conditions of resin composition and elongation which cannot have obtained the film by prior art.

SOLUTION: The method for manufacturing a finely porous film comprises the steps of laminating and co-extruding a fine pore forming precursor layer (M layer) made of composition containing thermoplastic resin (A) for forming at least one layer of continuous phase by a multilayer die as a main body and

an auxiliary layer (S layer) containing a thermoplastic resin (C) different from the precursor layer of main purpose of improving film formability of at least one layer as a main component, forming it in a predetermined thickness, then quenching to solidify it via heat transfer medium, orienting it by area magnification of 1.1 to 30 times at least in one direction under temperature condition, ranging from 15°C to Vicat softening point +50°C of composition for forming the precursor layer (M layer) to form fine pores to obtain a multilayer film, and then releasing to remove the auxiliary layer to obtain the finely porous film.

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